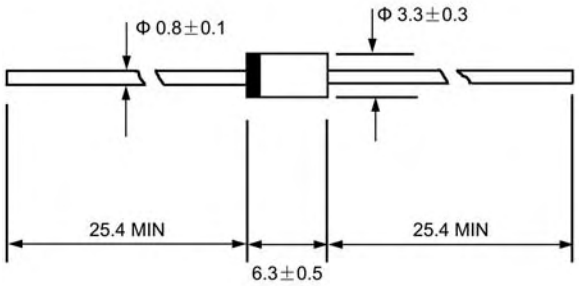
R2G

Avalanche Diodes

VRM : 115 Volts
IZSM : 1.0 Amp. (100 ms)

DO - 15



Dimensions in millimeters

Features

* High current capability
* High surge current capability
* High reliability
* Low reverse current
* Low forward voltage drop
* Pb / RoHS Free

Mechanical Data

* Case : DO-15 Molded plastic
* Epoxy : UL94V-O rate flame retardant
* Lead : Axial lead solderable per MIL-STD-202, Method 208 guaranteed
* Polarity : Color band denotes cathode end
* Mounting position : Any
* Weight : 0.39 gram

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified.
Single phase, half wave, 60 Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

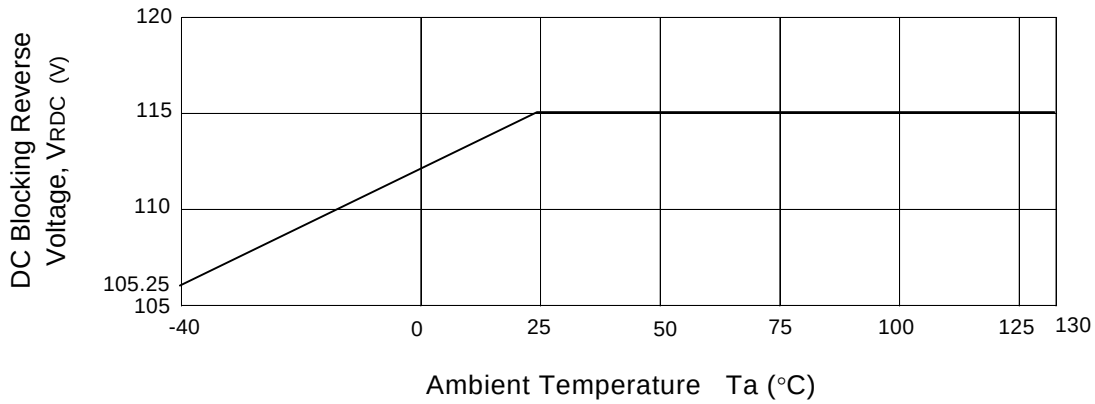
RATING	SYMBOL	VALUE	UNIT
Maximum Peak Reverse Voltage	V_{RM}	115	V
Maximum DC Blocking Reverse Voltage	V_{DC}	115	V
Minimum Avalanche Breakdown Voltage at I_Z = 1mA	$V_{BR(min)}$	120	V
Maximum Avalanche Breakdown Voltage at I_Z = 1mA	$V_{BR(max)}$	145	V
Maximum Allowable Avalanche Current (Note 1)	I_{ZSM}	1.0	A
Maximum Reverse Current at V_{RM} Ta = 25°C	I_R	10	μA
Maximum Reverse Current at V_{RM} Ta = 100°C	$I_{R(H)}$	50	μA
Typical Avalanche Voltage Temperature Coefficient at Iz = 1mA		+0.15	V/°C
Junction Temperature Range	T_J	- 40 to + 130	°C
Storage Temperature Range	T_{STG}	- 40 to + 150	°C

Notes :

(1) 100μs Square pulse, One shot.

RATING AND CHARACTERISTIC CURVES (R2G)

$V_{R(DC)}$ - Ta Characteristic



Vz Temperature Coefficient